BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Repairs and Maintenance of Existing Dry waste collection center Building at palanahalli in Ward No. 05

								Estimate Cost Rs.	750000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	Cum							
	Culverts		1	12.00	2.40	1.20	34.56		
							34.56	204.12	**7054.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
2	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	cum							
	Flooring		1	13.50	15.00	0.15	**30.38**		
	Culverts		1	12.00	2.40	0.15	**4.32**		
							34.70	5256.36	**182369.00**
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
3	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble **stone masonry in foundation** with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page**	cum							
	Culverts		2	12.00	0.75	0.60	10.8		
							10.80	4359.96	**47088.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4037.00							
	Area Weightage @ 8%	322.96							
	Total	**4359.96**							
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt **size stone masonry in basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26/ Item No. 5.9/ PWD SR 2016-17**	cum							
	Culverts		2	12.00	0.60	0.60	**8.64**		
							8.64	5405.40	**46703.00**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
5	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	**cum**							
	Culverts		2	12.00	0.60	0.10	1.44		
	Vent		1	12.00	0.90	0.10	1.08		
							2.52	5491.80	**13839.00**
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	**5491.80**							
6	Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 119/ Item No. 15.1 PWD SR 2016-17**	sqm							
			2	12.00	0.60		**14.40**		
							14.40	104.76	**1509.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M[illegible] withOPC cement @ 320kgs, with 20mm and down size graded granite me[illegible] coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	For Cuvlerts		1	12.00	2.10	0.23	5.80		
							5.80	6371.66	**36930.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
8	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17	Qtl							
	0.90Ton/Cum		0.090	5.80			**0.52**	64243.42	**33512.00**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2016-17	Cum							
	Flooring		1	13.50	15.00	0.10	20.25		
							20.25	6231.74	**126193.00**
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum							
			Qty. Vide Item No.				**34.56**	137.16	**4740.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
11	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.125 / Item No. 15.60 / PWD SR 2016-17	Sqm							
	DWCC in Side Painting		1	44.00		12.00	528.00		
	Room		1	10.00		3.00	30.00		
	Toilets		1	10.00		2.00	20.00		
							578.00	90.72	**52436.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							
	DWCC Building Out Side alround		1	45		12	540.00		
							540.00	90.72	**48989.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
13	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads,steps and landing,laid on a bed of 20mm thick cement morta. 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, clearing etc. complete .The Worked including curing., clearing etc., complete, The work includes cost of all materials. Labour charges for all items or work, hire charges for equipment, etc., complete as per specification. Page No. 116/ Item No. 14.63 / PWD SR 2016-17								
	For Toilets floorings		2	1.20	1.20		2.88		
	Sides		8	1.20	2.10		20.16		
							23.04	1161.00	**26749.00**
	Basic Rate	1075.00							
	Area Weightage @ 8%	86.00							
	Total	**1161.00**							
14	KSRB 8.6-5: Providing and fixing in wall surface 2.5 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour,Curing complete as per specifications. Page No. 52/ Item	M							
			1	30.00			30.00	429.84	**12895.00**
	Basic Rate	398.00							
	Area Weightage @ 8%	31.84							
	Total	**429.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. [P.No.97-1.No.13.87.2]	mtrs							
	25 MM CPVC Pipe		1	20			20.00	135.00	**2700.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							
16	**20 MM CPVC Pipe**		1	20			20.00	178.20	**3564.00**
	Basic Rate	165.00							
	Area Weightage @ 8%	13.20							
	Total	**178.20**							
17	**32MM CPVC Pipe**		1	15			15.00	232.20	**3483.00**
	Basic Rate	215.00							
	Area Weightage @ 8%	17.20							
	Total	**232.20**							
18	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, including cost of materials, labour complete as per specification.	**Each**							
			1				1.00	5540.40	**5540.00**
	Basic Rate	5130.00							
	Area Weightage @ 8%	410.40							
	Total	**5540.40**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 [P.No.80-1.No.12.23]								
			1				1.00	4196.88	4197.00
	Basic Rate	3886.00							
	Area Weightage @ 8%	310.88							
	Total	**4196.88**							
20	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity)								
			1				1.00	9144.36	9144.00
	Basic Rate	8467.00							
	Area Weightage @ 8%	677.36							
	Total	**9144.36**							
								Grand Total	669634.00
21	For 12% GST								80356.00
22	Miscesallaneous Charges	L/S							10.00
								Total	750000.00

ADMINISTRATIVE APPROVAL
Accorded For Rs. Seven lacks fifty thousand only
Head of A/c P-3298
Div. Ref. No. 70 Date 20/02/19
AE 20/02 EE(BTP) 20/02

TECHNICAL SANCTION
Accorded For Rs. Seven lacks fifty thousand only
Head of A/c P-3298
Div. Ref. No. 114 Date 20/02/19
AE 20/02 EE(BTP) 20/02

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-560092.
20/02

Assistant Executive Engineer
Byatarayanapura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24